

YEHUDA AI USER MANUAL

< Prev Next >

Welcome (Oct. 10, 2025)	Important information (Oct. 10, 2025)	New Features (Oct. 10, 2025)	Accessories (Oct. 10, 2025)
Power & Charging (Oct. 10, 2025)	Subscription fee (Nov 14,2025)	Warranty (Oct. 10, 2025)	App Setup (Oct. 10, 2025)
Running a Test (Oct. 10, 2025)	Back Office (Nov. 4, 2025)	Training Videos (Oct. 10, 2025)	Reading Result (Oct. 10, 2025)
AI Explanation (Nov. 17, 2025)	Troubleshooting (Feb. 16, 2026)	Glossary Customer Support (Oct. 10, 2025)	Disclaimer (Oct. 10, 2025)

READING THE RESULT – Basic Guidelines

Test result Images

- When testing is complete, six images will be displayed:
- RESULT** – Default test image.
 - LUV** – Long-wave UV fluorescence.
 - COLORED** – Fluorescence when illuminated by our proprietary lamp.
 - GLOWING** – Phosphorescence (glow after the light is shut off).
 - ORIGINAL** – Picture of the stones under white light.
 - SIMULANTS** – Special pink fluorescence of CZ or other simulants.

IMPORTANT

You should not determine results from the **RESULT** picture alone. You must also check the **LUV, GLOWING, and SIMULANTS** pictures.

Failure to check all will lead to an incorrect identification.

Basic Rules

These are the **basic rules** to give you a general understanding. You **MUST** review all detailed rules before making a final determination.

I. Natural Diamond

- If the stone shows **blue and only blue** in the **RESULT** picture, it is considered a **Natural Diamond**.

2. Lab-Grown Diamond

- If the stone **glows** in the **GLOWING** picture, it is a **Lab-Grown Diamond**.
 - This glow (**phosphorescence**) will appear as **red markings** in the **RESULT** picture.

Summary:

- If the stone shows **any non-blue colors** or **any red markings** in the **RESULT** image, it is considered **Lab-Grown**.

GOLDEN RULE

If a stone has **blue fluorescence** under the **LONG UV** picture → it is a **Natural Diamond**.

You do not need to check any other screens.

Now let's go over all the pictures in details.

Result Picture

- Displays Combined Results:** Shows both **colored** and **glowing** outcomes.

Interpretation

- 100% Pure Blue Fluorescence (any shade of blue):** Natural Diamond
- Any Non-Blue Fluorescence or Red Marking:** Lab-Grown Diamond
- Red Marking even over Blue Fluorescence:** Lab-Grown Diamond

Additional Notes

- Phosphorescent Stones:** Marked in **bright red**. (Stones that exhibit glowing are lab-grown diamonds.)
- HPHT Lab-Grown Diamonds:** Very strong glow.
- CVD Lab-Grown Diamonds:** Some glow or no glow.
- Any Glow (without blue Long UV):** Lab-Grown Diamond.
- Simulants:** Typically show no glow at all.

LUV (Long UV) Picture

- Most Reliable Test Result**

Interpretation

- Only Blue Fluorescence:** 100% Natural Diamond → (all other test results can be ignored)
- No Reaction or Any Other Color Fluorescence:** Disregard the LUV result in the final judgment

Glowing Picture

- Displays phosphorescence after the light source is shut off.**

Interpretation

- HPHT Lab-Grown Diamonds:** Very strong glow.
- CVD Lab-Grown Diamonds:** Some glow or no glow.
- Any Glow (without blue Long UV):** Lab-Grown Diamond.
- Simulants:** Typically show no glow at all.

COLORED PICTURE

- Displays fluorescence under Yehuda's proprietary illumination.
- Different stones fluoresce in different colors.

ORIGINAL PICTURE

- Unaltered image under white light.

SIMULANTS PICTURE

- Highlights pink fluorescence suggesting CZ and some other simulants.**
- CZ Detection Criteria (All Must Apply):**
 - Strong pink fluorescence in the **SIMULANTS** image.
 - No fluorescence in **LONG UV**.
 - No phosphorescence in **GLOWING**.
 - No fluorescence or only light-to-medium blue hue in **COLORED/RESULT**.
- Exclusion Criteria:**

EVEN IF A STONE SHOWS PINK FLUORESCENCE IN THE "SIMULANT" PICTURE – IT IS NOT A SIMULANT IF:

 - Any fluorescence is present in **LONG UV**.
 - Any glow is present in **GLOWING**.
 - Non-blue fluorescence appears in **COLORED**.
 - Performance:** >99% detection accuracy (internal validation).

Moissanite Detection

- No fluorescence under **COLORED** light.
- No glow in **GLOWING**.
- Under **LONG UV:** **Appears black/opaque.**
- AI detects >99% of loose Moissanites accurately. (Internal validation).

Here is a table that summarizes all of the options.

Stone Type	Identification Rules
Natural Diamond	<ul style="list-style-type: none"> RESULT: 100% blue fluorescence with no red marking. LUV: King test — only blue fluorescence → 100% Natural (even if GLOWING shows a glow and RESULT shows red or a non-blue color). COLORED: Blue. May rarely show other color, but if LUV is blue → still 100% Natural. GLOWING: No glowing is expected. However, some natural diamonds with long-wave UV fluorescence may exhibit glowing. In such cases, the presence of glowing does not affect the final determination — the stone is still classified as a NATURAL diamond. SIMULANTS: Usually show very light pink reactions. Strong pink fluorescence may appear only if LUV is blue, but the stone is still natural because of the blue LUV result. Note (Flashlight Effect): Strongly glowing stones may cast a red overlay onto nearby non-glowing stones in the RESULT image. To confirm, remove the strongly glowing stones and retest the others.
HPHT Lab-Grown Diamond	<ul style="list-style-type: none"> GLOWING: Very strong glow. COLORED: Very strong blue/turquoise. RESULT: Fully red "painting". LUV: no reaction. SIMULANTS: No reaction. Note: Strong glow may affect nearby stones — it is recommended to test HPHT stones alone.
CVD Lab-Grown Diamond	<ul style="list-style-type: none"> COLORED: Mostly non-blue fluorescence. GLOWING: Medium or no glow. RESULT: Non-blue fluorescence or red marking; if blue fluorescence is present, it must have red marking. LUV: No fluorescence or non-blue fluorescence. SIMULANTS: Usually no reaction; may show pink fluorescence (since it is already identified as CVD — ignore).
Cubic Zirconia (CZ)	<ul style="list-style-type: none"> SIMULANTS: Strong pink fluorescence. LUV: No fluorescence. GLOWING: No glow. COLORED: Light blue. All four conditions must be met; if any LUV, any glow, or non-blue COLORED is present → Not CZ.
Moissanite	<ul style="list-style-type: none"> RESULT: No reaction. COLORED: No fluorescence. GLOWING: No glow. LUV: Opaque (black). SIMULANTS: No reaction (May show some reflections).
General rules	<ul style="list-style-type: none"> Any blue in LUV is the FINAL answer — Natural, no matter what you see in other pictures. Any glow in GLOWING with no blue in LUV → Lab-Grown. Any non-blue fluorescence in LUV means- ignore the LUV result and rely on other images.

Golden rule: Never rely on RESULT alone—always check LUV, GLOWING, and SIMULANTS before deciding.

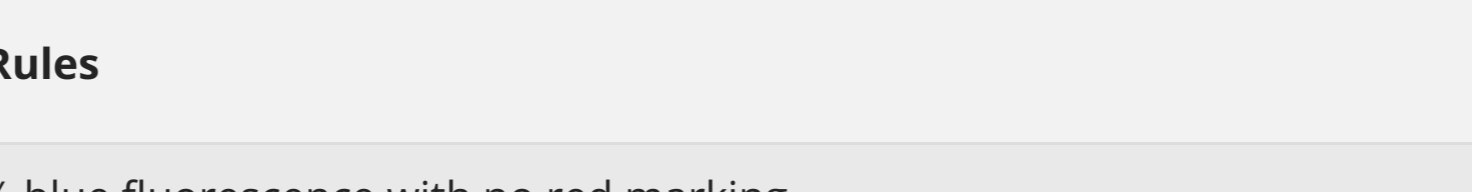
EXAMPPLS

FLASHLIGHT EFFECT

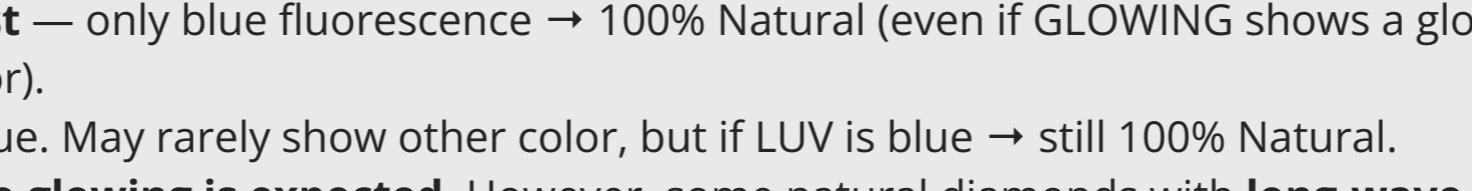
Natural diamonds, CZ, and Moissanites **do not exhibit phosphorescence**, except in rare cases. However, sometimes a stone that **does not have phosphorescence** may still show a **red overlay** in the **RESULT** picture because a nearby **strongly phosphorescent stone** is illuminating it.

Example:

The center stone is an HPHT lab grown diamond that has very strong **GLOWING**. It is so strong that it behaves like a flashlight making surrounding stones appear as if they are glowing.



After removing the HPHT stone- the diamonds do not show any **GLOWING** or red marking any more.

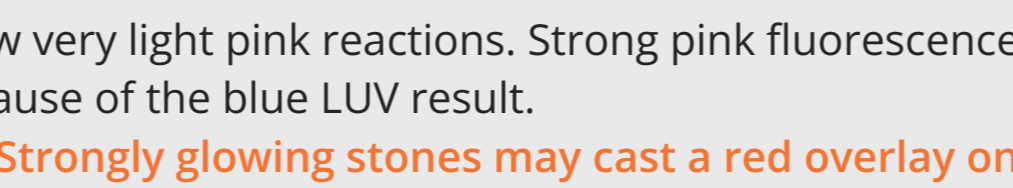


Natural diamonds result screens:

ALL DIAMONDS ARE NATURAL!

- COLORED Picture:** Natural diamonds will **always appear blue**.
- RESULT Picture:** Natural diamonds will **always appear blue**. Some stones may also show red markings due to glowing in the **GLOWING picture**. However, in the **LONG UV (LUV) Picture** All 3 loose stone and the EC ring show **blue fluorescence, confirming they are 100% natural**.
- SIMULANT Picture:** Natural diamonds may sometimes show slight pink. Usually, they show stronger pink but these stones will still exhibit **blue fluorescence under LUV**, which confirms their natural origin. Usually, any pink is just a reflection.

Key Rule: Blue fluorescence in the LUV test always indicates a 100% natural diamond, regardless of other observations.



HPHT lab grown diamonds result screens:

HPHT lab grown diamonds will always shine very strongly in the "COLORED" and the "GLOWING" pictures. They will be painted with full red in the "RESULT" picture.

HPHT will not have a reaction in the LUV picture and diamond may have a minor pink color in the "SIMULANT" picture. It will usually just be just a reflection.



CVD Lab Grown Diamonds

CVD lab grown diamonds result screens:

CVD lab grown diamonds will usually shine with **NON-BLUE** color the "COLORED" and may or may not have glow in the "GLOWING" pictures. They MAY be painted partially or fully in red in the "RESULT" picture.

REMEMBER: if they are any other color than blue- they are CVD.

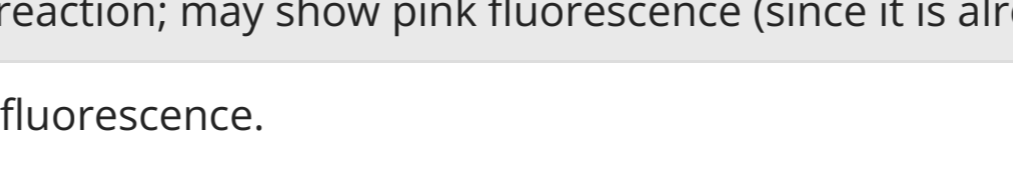
If they are blue but painted in some red- they are CVD.

Pay attention to the EC in the center bottom row. It is blue with slight **GLOWING** thus painted in some red – That is enough to call it a CVD.

CVD are either **NON** blue or red painted or both.

CVD will usually not have a reaction in the LUV picture. In rare cases it may show a **NON** blue fluorescent color.

CVD Diamonds: May rarely show pink in **SIMULANTS**, but once a stone is identified as **CVD** (non-blue color and/or glowing), the **SIMULANT** result should be ignored.



Is it a CVD or an HPHT LAB GROWN DIAMOND?

HPHT Lab Grown Diamonds

- COLORED:** strong blue or turquoise.
- GLOWING:** Show very strong phosphorescence.
- RESULT:** fully painted red.

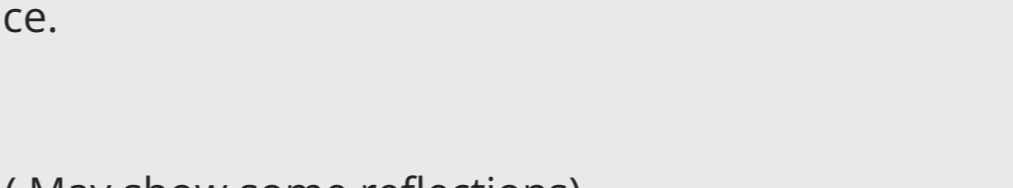
CVD Lab Grown Diamonds

- COLORED:** Usually non-blue colors.
- GLOWING:** None to medium phosphorescence.
- RESULT:** Mostly non-blue fluorescence and/or some red overlay.

EXAMPLE:

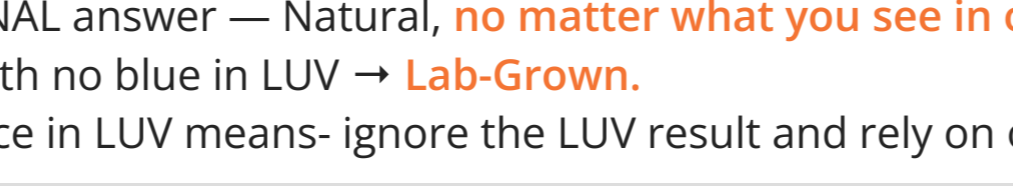
The top 6 diamonds are HPHT Lab Grown Diamonds:

The bottom 6 diamonds are CVD lab Grown Diamonds:



CZ: and some other simulants may show some blue around the outline of the stone or as a reflection in the "COLORED" picture, and show very strong pink fluorescence in the "SIMULANT" picture.

REMEMBER: If a stone has a **NON-BLUE** fluorescence in the **COLORED** picture, or a glow in "GLOWING" picture or any color in "LONG UV" picture, it cannot be classified as a simulant!



Moissanite:

Moissanite will have no reaction in ALL screens.

It may show some reflections, but it will not exhibit fluorescence or phosphorescence.

It does have a unique opaque reaction in the "LONG UV" picture.



< Prev Next >