

General Reagents		REF	Color	Volume
	Availability	PSW-GRI2100W-0125	Bright	125 ml
		PSW-GRI2100W-0500	Bright	500 ml
		PSW-GRI2100W-1000	Bright	1000 ml
		PSW-GRI2101W-0125	Blue	125 ml
		PSW-GRI2101W-0500	Blue	500 ml
		PSW-GRI2101W-1000	Blue	1000 ml
		PSW-GRI2102W-0125	Green	125 ml
		PSW-GRI2102W-0500	Green	500 ml
		PSW-GRI2102W-1000	Green	1000 ml

Intended use

PathoSage Antibody Diluent is intended for use in immunohistochemistry for the dilution of semi-quantitative detection of Rabbit, Mouse or Goat antibodies.
For in vitro diagnostic use (IVD).

Specification

- **Application:** Universal diluent for concentrated primary antibodies in IHC
- **Composition:** Contains Bovine Serum Albumin (BSA). Suitable for diluting various antibodies (e.g., Rabbit, Mouse and Goat derived antibodies)
- **Features:** PBS-based with Tween 20. Formulated to stabilize antibodies and reduce background in immunohistochemistry staining
- **Advantages:** Allows omission of the blocking step before applying primary antibodies
- **Format:** Ready to use. Should not be diluted

Principle of Method

1. Review antibody datasheet for dilution and storage guidelines.
2. Set up a clean, sterile workspace with gloves and lab coat.
3. Calculate volumes for desired dilution (e.g., 10 = 1:100 μL antibody +990 μL diluent for 1 mL).
4. Dispense PathoSage Antibody Diluent into a sterile microcentrifuge tube using a calibrated pipette.
5. Add concentrated primary antibody to the diluent with precise pipetting.
6. Mix gently by pipetting, vortexing briefly, or inverting to avoid foaming.
7. Optionally incubate at room temperature or 2–8°C for 5–15 minutes, if recommended.
8. Inspect solution for precipitates; clarify if needed per antibody guidelines.
9. Apply diluted antibody to tissue sections in IHC, skipping the blocking step due to diluent's BSA and TBS.
10. Store unused diluted antibody at 2–8°C for 24–48 hours; avoid freezing unless specified.
11. Test staining on control tissue; adjust dilution ratio if staining is too weak or has high background.

Materials Provided

PathoSage Antibody Diluent

Materials Required but not Provided

Concentrated Primary Antibody

Detection System

General immunohistochemistry laboratory equipment

Storage and Stability

Store at 2–8 °C and in the dark. Do not use after expiration date

Warnings and Precautions


This product should be interpreted by a qualified pathologist with relevant clinical information, morphological and histological studies and with proper controls.

Never pipette reagents by mouth and avoid contacting the skin and mucus membranes with reagents and specimens. If reagents or specimens come in contact with sensitive areas, wash with copious amounts of water.

Minimize microbial contamination of reagents or an increase in non-specific staining may occur.

LABEL AND BOX SYMBOLS

Explanation of the symbols of the product label and box:

	Expiration Date	REF	Reference Number	LOT	Lot Number
RTU	Ready To Use	IVD	In Vitro Diagnostic		