

EA36 Staining Solution

Cat. No.: E1520384 | Pack size: 100 mL / 500 mL | Storage: Protected from light, room temperature

Overview

Papanicolaou staining is commonly used for routine cytological staining. The cytoplasm should be transparent and distinct after staining, and nuclear chromatin should be easily identifiable.

EA36 Staining Solution is mainly composed of light green, eosin, phosphotungstic acid and other components and contains no acetic acid. It is used as a cytoplasmic stain in Papanicolaou staining workflows.

Key Features

- Cytoplasmic stain for Papanicolaou staining workflows
- Can stain cytoplasm bright green, blue and pink when used with Orange G6 and EA36/EA50 systems
- More suitable than EA50 for gynecological cytological smears such as cervical cancer and precancerous-lesion screening workflows
- General staining time of 3-5 minutes

Product Information

Item	Description
Synonyms	Papanicolaou EA36 Stain Solution Papanicolaou EA36
Specifications & Purity	BioReagent, Biological Stain, for microscopy
Stability & Storage	Store at room temperature long term (12 months). Store in the dark.
Storage Conditions	Protected from light, room temperature
Shipping	Normal
Grade	Biological Stain, BioReagent, for microscopy

Contents & Storage

Cat. No.	Product	Size	Storage
E1520384-100mL	EA36 Staining Solution	100 mL	RT, protect from light
E1520384-500mL	EA36 Staining Solution	500 mL	RT, protect from light

Materials Required But Not Supplied

Item	Recommended Specification	Purpose
Personal protective equipment	Lab coat, disposable gloves, eye protection	Safe staining operation
Prepared cytology smears	Appropriate fixation and prior staining steps	Sample staining
Orange G6 and nuclear stain system	As required by Papanicolaou protocol	Complete staining workflow
Filter / filter paper	For staining solutions as needed	Remove particulates
Microscope	Bright-field microscope	Observation

Preparation Before Use

1. Filter staining solutions when required and replace them regularly.
2. Bring reagent to room temperature before use.
3. Prepare cytological smears and preceding staining steps according to the laboratory Papanicolaou staining protocol.

Protocol

Procedure (For Reference Only)

1. Perform the procedure according to specific experimental requirements.
2. Stain with EA36 Staining Solution, generally for 3-5 minutes.
3. Proceed with subsequent dehydration, clearing, mounting and microscopic examination according to the selected protocol.

Storage & Handling

Store as indicated on the product label: Protected from light, room temperature.

Shelf life: Store at room temperature long term (12 months). Store in the dark.

Safety & Precautions

1. All staining solutions require filtration and should be replaced regularly.
2. For your safety and health, wear a lab coat and disposable gloves during operation.
3. This product is for research use only and is strictly prohibited for other purposes.
4. Dispose of dye waste according to institutional procedures.

Quality Control

QC Item	Method	Acceptable Range
Appearance	Visual inspection	Conforms to the appearance described in this manual; no obvious contamination or abnormal precipitation unless specified.
Identity and labeling	Receipt inspection	Catalog number, lot number, size, storage condition and expiry date are legible.
Functional check	Run with representative sample or positive control	Expected staining, preservation, coagulation or assay performance is observed under the recommended procedure.

Troubleshooting

Issue	Possible Causes	Corrective Action
Weak staining	Staining time too short or reagent exhausted	Increase staining time within the recommended range or replace reagent.
Overstaining / high background	Staining time too long or inadequate washing	Shorten staining time and rinse thoroughly with water.

Issue	Possible Causes	Corrective Action
Uneven staining	Uneven sample thickness or insufficient reagent coverage	Prepare uniform smears/sections and ensure the specimen is fully covered.
Precipitate on slide	Unfiltered or aged staining solution	Filter staining solution when required and replace regularly.
Unexpected color	pH or contamination effects	Use clean slides and freshly prepared or uncontaminated reagents.

Recommended Applications

Papanicolaou cytoplasmic staining · Gynecological cytology research smears · Exfoliated cell specimens · Cytology microscopy · EA-series staining workflows

Contact & Global Offices

Whether you have a technical question, need help with a quotation, or want to inquire about an order, our regional teams are ready to assist. Please contact the office for your region; for general inquiries, the North American office is the corporate primary.

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Limitations & Disclaimer

- For Research Use Only (RUO). Not for use in human or animal diagnostics, therapeutics, or in vivo applications. Not for food, cosmetic, or household use.
- This product is not a CE-marked in vitro diagnostic device under IVDR (EU) 2017/746 and is not an FDA-cleared device under 21 CFR. Use is restricted to verified businesses, institutions, and qualified professionals for research and development purposes.

- Where any kit component is classified as hazardous under CLP (EC) 1272/2008 or OSHA HCS (29 CFR 1910.1200), the product Safety Data Sheet (SDS) takes precedence over this document for handling, storage, and disposal information.
- Performance depends on sample type, sample condition, handling, and operator technique. Users are responsible for validating the kit for their specific application.
- Aladdin product labels, SDS, COA, and approved specifications take precedence over this document. If product formulation, label, SDS, storage conditions, pack size, or quality specifications change, this document would be reviewed and reissued.