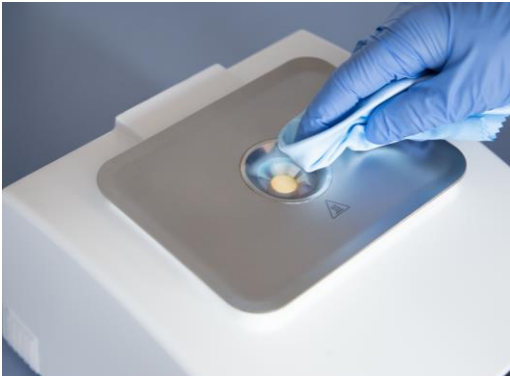


Tips for the correct cleaning of refractometers

Good cleaning guarantees exact and reproducible results.

Basic tips



- To clean the measurement prism, it is usually sufficient to use a soft, preferably lint-free and absorbent cellulose pad.
- At first, the sample is picked up with a sample pad and then wiped with a moistened pad. In most cases, water is a suitable solvent.
- We recommend using isopropanol (2-propanol) for oily samples.
- Clean the measurement prism directly after every application. This ensures that your sample does not dry or harden on the prism. If dried samples are not cleaned, cleaning them afterwards is even more time-consuming.

Acidic and alkaline samples



- Between the measurement of very dissimilar samples, it is helpful to check the cleaning success with a test measurement of water or another suitable reference. (This is equally valid for all refractometer types).
- The most important component of any refractometer is the measuring prism. After measurement of aggressive samples, please clean the measuring prism quickly and check the cleanness afterwards.
- In addition, a quick measurement with aggressive samples will reduce the contact time.

Applying samples and cleaning agents

Apply sample and cleaning agent using pipettes or micropipettes.



- For refractometers with a measuring well, the sample can be carefully inserted into the well.
- Avoid the formation of gas bubbles, as these falsify the measurement result.

Tips for the correct cleaning of refractometers



Recommended cleaning agents

We have had best cleaning results with the following cleaning agents:

SAMPLE	CLEANING AGENT 1	CLEANING AGENT 2
Industry: Food, beverages and liquor		
▪ Fruit juices	▪ Water	▪ Ethanol
▪ Soft drinks	▪ Water	▪ Ethanol
▪ Sugar solutions, salt solutions, honey	▪ Water	▪ -----
▪ Beer, beer wort	▪ Water	▪ Ethanol
▪ Spirits, distillates	▪ Water	▪ -----
Industry: Chemicals, Cosmetics, pharmaceuticals industry		
▪ Flavours, fragrances, after shave, perfume	▪ Ethanol, Isopropanol	▪ -----
▪ AdBlue	▪ Water	▪ -----
▪ Detergents	▪ Water	▪ Ethanol
▪ Ethylene glycol, propylene glycol	▪ Water	▪ Ethanol
▪ Polyamides, polymers	▪ Cresol	▪ -----
▪ Paraffinic substances	▪ Cleaning benzine	▪ Xylene
▪ Turpentine-based wood preservatives	▪ Cleaning benzine	▪ Ethanol
▪ Water-based wood preservatives	▪ Water	▪ Ethanol
Industry: Petrochemicals		
▪ Motoryoil, Lubricating oil	▪ Cleaning benzine	▪ Acetone
▪ Mineral oils	▪ Isopropanol	▪ -----
▪ Diesel, paraffin and heating oil	▪ Cleaning benzine, Petrolether	▪ Acetone