

The CryoProbe sample cavity is extremely fragile. Even a tiny scratch inside can spoil the CryoProbe performance and entail a major repair action. Preventive cleaning is not recommended - clean only in case of problems.

CAUTION: Do not put any objects or cleaning devices into the sample cavity! In particular, soft cotton buds must not be introduced under any circumstances - the CryoProbe cavity would almost inevitably be damaged!

If dirt or liquid must be removed from the sample cavity, follow the procedure given in **Table 6.4** below.

Table 6.4. Clean the CryoProbe sample cavity

step	action
k.1	Remove the CryoProbe from the magnet and observe all handling precautions.
k.2	Put the CryoProbe upside down onto the edge of a level surface, e.g. a table, such that it cannot fall down. Its tube must point down but without touching anything.
k.3	Protect your eyes with goggles .
k.4	Connect the VT gas to its regular input at the CryoProbe bottom and select a flow rate ≥ 1000 l/h in <i>edte</i> .
k.5	If some debris or liquid is trapped inside the sample cavity, flush it out with jets of (1 st) water and (2 nd) alcohol . Use a syringe or a wash-bottle which you direct from below into the sample cavity. CAUTION: Do not immerse in alcohol for an extended period of time. Do not use solvents other than those listed above! Take extreme care not to touch the inside of the cavity. Do not flush anything but VT gas through the VT gas channel inside the CryoProbe. Do not reverse the direction of VT gas flow.
k.6	Wait until the VT gas stream has dried the entire cavity.
k.7	Set the VT gas flow rate back to its previous value and detach the VT gas hose from the CryoProbe.

If this procedure does not solve the problem, contact BRUKER.