

**BBMRI.at Partner's Sample Collection Profile**

**"KIWI cohort": an outstanding sample collection at Biobank Graz, Med Uni Graz for fertility studies**

"KIWI" stands for "Kinderwunsch Institut" (Fertility Institute) and represents a cohort consisting of prospectively collected body fluids and data from infertile couples during assisted reproductive technology.

The collection helps to elucidate the mechanisms of infertility and improve the success of fertility treatments in assisted reproductive technology (ART).

The "KIWI cohort" comprises samples of blood serum, follicular fluid, cumulus cells, embryo culture supernatant and seminal plasma and associated data. It includes male and female patients ranging from 18 to 45 years who are referred to the fertility clinic "Das Kinderwunsch Institut Schenk GmbH" in Dobl, Austria within the process of ART treatment.



(C) Medical University of Graz

[More about sample types and quality in our BBMRI.at Catalogue >>](#)

<b>Disease Area</b>	Infertility (primary, secondary), fertility treatment, assisted reproductive technology
<b>Research Area</b>	
<b>Sample Types</b>	Blood serum, follicular fluid (collected per oocyte with special needle, i.e. Steiner-TAN-Needle), cumulus cells, embryo culture supernatant and seminal plasma.
<b>Cohort Size</b>	> 500 couples Collection start in 2013 - collection ongoing
<b>Donors</b>	<ul style="list-style-type: none"> <li>• Patients with fertility treatment</li> <li>• Age: 18 to 45</li> <li>• Gender: female and male</li> </ul>
<b>Associated Data</b>	Demographic data, endocrine profiles and monitored stimulation; Every sample can be linked to oocyte pick up, embryo development (e.g. embryo morphokinetics) and treatment outcome
<b>Informed Consent</b>	Broad Biobank IC ( <a href="#">view template &gt;&gt;</a> )
<b>Access</b>	Cooperation preferred
<b>Quality Standards</b>	<ul style="list-style-type: none"> <li>• Sample quality of serum samples: CEN/TS 16945:2016 - Molecular in vitro diagnostic examinations. Specifications for pre-examination processes for metabolomics in urine, venous blood serum and plasma</li> <li>• Quality management: ISO 9001:2015 (SOPs)</li> </ul>
<b>Contact</b>	<ul style="list-style-type: none"> <li>• <b>Principle investigator:</b> <ul style="list-style-type: none"> <li>◦ Dr. Michael Schenk, MAS</li> <li>◦ Das Kinderwunsch Institut Schenk GmbH</li> <li>◦ FRED Fertility Research Education and Development GmbH</li> </ul> </li> <li>• <b>Email:</b> <a href="mailto:biobank-pm@medunigraz.at">biobank-pm@medunigraz.at</a>, <a href="mailto:michael.schenk@kinderwunsch-institut.at">michael.schenk@kinderwunsch-institut.at</a></li> </ul>

[More details about the KIWI Cohort >>](#)

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