

Ring Trial	Application start	Application deadline	Dispatch of samples	Deadline for results upload	Analytic method	Type of samples / documents	Evaluation	Certificates
Array diagnostics	03 Dec 2018	08 Jan 2019	22 Jan 2019	10 Mar 2019	Array-CGH	DNA	11 Mar – 05 May 2019	20 May 2019
Lab-focused QA1,2	08 Apr 2019	19 May 2019	–	19 May 2019	Karyotyping	Own karyotypes	20 May – 04 Sep 2019	23 Sep 2019
Interphase FISH tumour (QUITZ)2	08 Apr 2019	28 Apr 2019	14 May 2019	02 Jun 2019	FISH	Fixated cell suspension / report of findings	03 June – 30 Sep 2019	15 Oct 2019
Structural analysis	03 Jun 2019	07 Jul 2019	–	07 Jul 2019	Image analysis	Images, online available	08 July – 11 Oct 2019	31 Oct 2019
Prenatal rapid test2	01 May 2019	31 May 2019	10 Sep 2019	29 Sep 2019	FISH analysis	Fixated suspension of cultivated amniotic fluid cells / DANN	01 Oct 2019 – 12 Jan 2020	17 Feb 2020
Next-Generation Sequencing	01 Jul 2019	25 Aug 2019	–	25 Aug 2019	NGS analytic pipeline	NGS raw data, available online	26 Aug – 03 Nov 2019	19 Nov 2019
Tumour cytogenetics	12 Aug 2019	15 Sep 2019	24 Sep 2019	17 Nov 2019	Karyotyping	Vital cells in surrogate blood sample	18 Nov 2019 – 14 Jan 2020	30 Jun 2020
Molecular cytogenetics	23 Sep 2019	13 Oct 2019	28 Oct 2019	16 Dec 2019	FISH analysis	Cell suspension (parents of a child with Emanuel syndrome)	17 Dec 2019 – 15 Feb 2020	01 Mar 2020

¹ The Ring Trial *Lab-focused QA* comprises the evaluation of postnatal, prenatal amniotic fluid and prenatal CVS karyotypes. The schedules for all these parts are identical.

² Certificates are provided according to the criteria of German RiLiBÄK for this scheme.