Shared health Soins communs Manitoba	22q11.2 FISH Testing Criteria	
	Approved by:	**Effective Date:**
	Dr. A. Dawson	**December 16, 2020**

22q11.2 FISH testing may be ordered by clinical geneticists, pediatric cardiologists or pediatric immunologists as appropriate. Alternatively, microarray may be a more appropriate test and may be ordered by clinical geneticists only.

22q11.2 FISH TESTING CRITERIA

- A heart defect as listed below
    - Tetralogy of Fallot
    - Interrupted aortic arch
    - Truncus arteriosus
    - Pulmonary atresia
    - Double outlet right ventricle
    - Aberrant right subclavian artery
    - Vascular ring
    - Right sided aortic arch
- Parent, child or sibling with 22q11.2 deletion
- Positive NIPT for 22q11.2 deletion
- Cleft palate, submucous cleft palate, bifid uvula or velopharyngeal insufficiency
- DiGeorge phenotype (thymic aplasia, low calcium)
- Characteristic facial dysmorphology with bulbous tip of nose, cupped and over-folded helices of the ears and typical ‘hooded’ eyelids
- Schizophrenia with a history of cognitive impairment and physical features
- Positive SCID newborn screen (NBS)/immunodeficiency consistent with 22q11.2 deletion.
    - For all other immunological indications, please discuss with a Genomics laboratory genetic counsellor (204-787-4033) prior to ordering.